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Amendments to the Claims:

Claims 8 to 11 are cancelled.

Listing of Claims:

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This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1 to 11 (Cancelled).

(Previously Presented) A circuit arrangement for carrying out a method for operating a mixed-potential exhaust-gas probe for an internal combustion engine wherein exhaust gas is generated, the exhaust-gas probe including: a heatable probe ceramic; a first electrode arranged in a chamber subjected to a reference atmosphere; and, a second electrode, which detects gas molecules, and is arranged in the exhaust gas of the internal combustion engine; the method comprising the steps of: providing a pump voltage source and applying a pump voltage across the first and second electrodes so that, in the interior of the chamber, a reduced oxygen partial pressure relative to the oxygen partial pressure in the exhaust gas is adjusted by the electrochemical pumping off of the oxygen molecules and the voltage across said first and second electrodes deviating from the thermodynamic equilibrium voltage of the reaction which takes place in said exhaust-gas probe; and, measuring and evaluating the current flowing across the electrodes; the arrangement

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comprising:

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an inverting operational amplifier having a non-inverting input, an inverting input and a feedback loop;

a voltage divider R2 connected to said non-inverting input; the exhaust-gas probe being connected to said inverting input;

- a reference resistor R1 arranged in said feedback loop; and,
- a differential amplifier which amplifies the voltage difference between said non-inverting input and the output of the operational amplifier and outputs the difference as a measurement signal.
- 13. (Previously Presented) The circuit arrangement of claim 12, further comprising a switching device for switching the circuit arrangement for the voltage polarized current measurement over to the circuit arrangement for current polarized voltage measurement.
- 14. (Previously Presented) A circuit arrangement for carrying out a method for operating a mixed-potential exhaust-gas probe for an internal combustion engine wherein exhaust gas is generated, the exhaust-gas probe including: a heatable probe ceramic detecting gas molecules; a first electrode mounted in a chamber and the first electrode being subjected to a reference atmosphere; and, a second electrode arranged in the exhaust gas of the internal combustion engine; the method including the steps of: providing a pump voltage source and applying a pump voltage across the first and second electrodes so that a reduced oxygen

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partial pressure is adjusted relative to the oxygen partial pressure in the exhaust gas in the interior of the chamber by electrochemically pumping off the oxygen molecules; and, applying a constant current to the probe ceramic and measuring and evaluating the voltage which results between the first and second electrodes with this voltage deviating from the thermodynamic equilibrium voltage of the desired reaction which takes place in said exhaust-gas probe; the arrangement comprising:

a non-inverting operational amplifier having a non-inverting input, an inverting input and a feedback loop;

a voltage divider R2 connected to the non-inverting input;

a reference resistor R1 connected to the inverting input; said exhaust-gas probe being arranged in said feedback loop; and,

a differential amplifier for amplifying the voltage difference at the sensor and outputting said voltage difference as a measurement signal.

15. (Previously Presented) The circuit arrangement of claim 14, further comprising a switching device for switching the circuit arrangement for the voltage polarized current measurement over to the circuit arrangement for current polarized voltage

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